

**GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
RESEARCH AND DEVELOPMENT ORGANISATION
DIRECTORATE OF AERONAUTICS**

TYPE APPROVAL No : 317

ISSUED TO : M/s SPARKONIX (INDIA) LTD.
PUNE.


NAME OF ITEMS : a) SOLENOID 28 VOLTS DC, TYPE ASD-23
b) SOLENOID 12 VOLTS DC, TYPE ASD-15

CO-ORDINATED BY : RCMA (A/C)

This is to certify that the subject items designed and developed by M/s Hindustan Aeronautics Limited, Bangalore-17 through M/s Sparkonix (India) Ltd. Pune in co-ordination with M/s HAL(BC) have been according to the tests outlined by the Directorate and referred in Type Record enclosed as Appendix and have been found suitable for aircraft use subject to limitations detailed in the Type Record.

2. The approval Serial No. quoted above must be reflected in all relevant drawings, contracts and release notes.
3. This approval is contingent upon the quality control aspects of bulk production being cleared by DTD&P(Air), Ministry of Defence, New Delhi.
4. This approval is valid initially for three years from the date of issue and will have to be renewed subsequently.
5. Prior agreement of Directorate of Aeronautics will have to be obtained if this approval is to be transferred to any other agency or if changes within the Type Record enclosed is effected.

Encl : Type Record
No. : AERO(RD-125)/140/31
Date : 23 Jul. 1980


(VIVEK R SINHA)
Director of Aeronautics